

Title (en)

Furnace with combustion air pre-heating, in particular for the combustion of wood chips

Title (de)

Brennofen mit Luftvorwärmung, insbesondere zu Verbrennung von Holzschnitzeln

Title (fr)

Four avec pre-chauffage d'air, en particulier pour la combustion de copeaux de bois

Publication

EP 2458275 B1 20140101 (DE)

Application

EP 10192787 A 20101126

Priority

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Abstract (en)

[origin: EP2458275A1] The furnace has boiler (2) with combustion chamber (3), and a walling (5) in which inlet opening (6) for combustible material and outlet opening (7) for discharge of exhaust gas from combustion chamber are formed. A combustion grate (9) receives and combusts combustible material by receiving combustion air from air channel (43), which is blown by blower (41). The air channel extends and circulates around the combustion chamber, so that supplied combustion air simultaneously serves as cooling air for cooling walling of boiler.

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102018120196B3; CN105258149A; CN109028585A; CN103791486A; EP3029393A1; EP2896883A1; CN111609550A; EP3450614A1; WO2020038926A1

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